

L35 ANSWER 269 OF 272 WPINDEX COPYRIGHT 2006 THE THOMSON CORP on STN
 ACCESSION NUMBER: 1994-049456 [07] WPINDEX
 DOC. NO. CPI: C1994-022366
 TITLE: Purificn. of cyclosporin by improved soln. chromatography
 - involving melting of starting mixture and slow cooling
 before chromatography.
 DERWENT CLASS: B04
 INVENTOR(S): BALINT, J; DEAK, G; DENCS, J; HAJDUFI, C; HANAK, L;
 KARACSONY, E; KARCZUB, A; KELEMEN, J; KERI, V; MAKO, B;
 MARTON, G; MELCZER, I; NAGY, E; RADNAI, F; STRBKA, G;
 SZANYA, T; DENCS, B; MAKO, G; NAGYNE, A E; STRBKA, A;
 KARACXONY, E
 PATENT ASSIGNEE(S): (SZAN-I) SZANYA T; (BIOG) BIOGAL GYOGYSZERGYAR; (BIOG)
 BIOGAL GYOGYSZERGYAR RT
 COUNTRY COUNT: 7
 PATENT INFORMATION:

PATENT NO	KIND	DATE	WEEK	LA	PG	MAIN	IPC
CA 2096892	A	19931126	(199407)*		21	C07K007-64	
CZ 9300985	A3	19940216	(199414)			C07K007-64	
US 5382655	A	19950117	(199509)		7	A61K037-02	
ES 2065273	A1	19950201	(199511)#			C07K007-64	
HU 68163	T	19950529	(199528)			C07K001-00	
FI 9400271	A	19950720	(199542)#			C07K001-16	
ES 2065273	B1	19950916	(199543)#			C07K007-64	
HU 213553	B	19970728	(199809)			C07K001-00	
IT 1272446	B	19970623	(199810)			A61K000-00	
CA 2096892	C	19980818	(199844)			C07K007-64	
CZ 285518	B6	19990811	(199937)			C12P021-04	

APPLICATION DETAILS:

PATENT NO	KIND	APPLICATION	DATE
CA 2096892	A	CA 1993-2096892	19930525
CZ 9300985	A3	CZ 1993-985	19930524
US 5382655	A	US 1993-66857	19930525
ES 2065273	A1	ES 1993-1128	19930525
HU 68163	T	HU 1992-1728	19920525
FI 9400271	A	FI 1994-271	19940119
ES 2065273	B1	ES 1993-1128	19930525
HU 213553	B	HU 1992-1728	19920525
IT 1272446	B	IT 1993-MI1063	19930524
CA 2096892	C	CA 1993-2096892	19930525
CZ 285518	B6	CZ 1993-985	19930524

FILING DETAILS:

PATENT NO	KIND	PATENT NO
HU 213553	B Previous Publ.	HU 68163
CZ 285518	B6 Previous Publ.	CZ 9300985

PRIORITY APPLN. INFO: HU 1992-1728 19920525
 ES 1993-1128 19930525
 FI 1994-271 19940119

INT. PATENT CLASSIF.:

MAIN: A61K000-00; A61K037-02; C07K001-00; C07K001-16;
 C12P021-04

SECONDARY: C07C237-00; C07K001-14; C07K007-50

ADDITIONAL: C07K007-64

BASIC ABSTRACT:

CA 2096892 A UPAB: 19940329

Process for the solution chromatographic purificn. of cyclosporin A from a starting mixture containing cyclosporin A and one or more of cyclosporin b, C, other cyclosporin components, which are more polar or more apolar than cyclosporin A, and other similar contaminants, comprises heating the starting mixture (or its evaporation residue) to form a melt, cooling the melt, and carrying out solution chromatography of the cooled material.

Pref., the solution chromatography is first carried out in a mixture of the solvents chloroform, CH₂Cl₂ and EtOH, and then in a mixture of the solvents chloroform, ethylacetate and EtOH. The solvent mixts. comprises the solvents in a volume ratio of 48:50:2.

USE/ADVANTAGE - The purificn. method enables both the separation of cyclosporin antibiotic mixts. and purificn. of cyclosporin A. The purificn. and the one step chromatographic operation can be carried out readily and economically. It is suitable for use on an industrial scale. Dwg.0/2

FILE SEGMENT: CPI

FIELD AVAILABILITY: AB; DCN

MANUAL CODES: CPI: B02-C01